

EXCAVATORS - WHEEL OR TRACK

A. Original Equipment Manufacturer (OEM)

The following OEMs offer noise controls for new wheel or track excavators as standard equipment. Local dealers should be contacted for availability and further details.

Manufacturer	Acoustically-Treated Cab	Other Noise Controls
Badger Equipment	X	
Caterpillar	X	
Dresser/Komatsu	X	
Gradall Hydraulic	X	
Koehring Hydraulic	X	
Liebherr America	X	
Melroe Bobcat	some models	
Takeuchi Manufacturing, Ltd.	some models	

"X" indicates product availability.

For older excavators without noise controls, additional retrofit noise controls may be needed.

B. Retrofit Noise Controls

The effectiveness of retrofit noise controls is dependent on the quality of the acoustical materials and installation.

The following are the major areas where retrofit noise controls should be considered:

-Operator's Control Area - The most effective retrofit noise control for this area is an acoustically-treated operator's cab. Contact an equipment cab manufacturer ([Appendix C](#)) or construct your own cab. In some situations, where a large number of custom cabs are needed, and the equipment cab manufacture may design and fabricate the cab.

For a “do-it-yourself” cab, consider the following in your cab design:

- Build a rigid frame work of tubular steel.
- Use sheet metal or plywood for the outer surface.
- Treat the inside surfaces with appropriate acoustical materials.
- Install doors and windows made with safety glass and are well-sealed to prevent leaks.
- Design an environmentally-controlled interior (heater and air-conditioner).

1. Exhaust System for Diesel Engines - The exhaust system for diesel engines should be equipped with an appropriate exhaust muffler.

C. Alternative Technology

None identified at this time.